

The Growth-Mechanism of the Quaternary Ice-Sheets of the West Siberian Plain, by N. A. Roginskiy.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCI, No 3, 1953, pp 625-628.

ARDC - X-32

ODC

Def Sci Info Sv,

DRB, Canada

T 138 R

13,772

Scientific - Geophysics CIS/DEX

ARDC X-46

Godel's Theorem and the Theory of Algorithms,
by V. A. Uspenskiy.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCI, 1953,
pp 737-740.

Amer Math Soc

Sci-Math

Sep 63

344,216

On the Inhomogeneity of the Solar Corona, by
V. A. Krat

RUSSIAN, ~~XXXX~~ thrice-a-year, Dok Ak Nauk SSSR,
Vol XCI, No 4, 1953, pp 151-158.

Sci Trans Center RT-917

Also MAY 4 TR 1005
NAL 475

Scientific - Astronomy

CTS/DIEK

14,065

Table of Contents of Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953. *6 pp.*

RUSSIAN.

Ordnance Technical Intelligence Sv,
Aberdeen Proving Ground, Md.
Report OTIO 110

CIA 2509569

Screening Action of a Thin Elastic Layer, by V.
Babich, A. Alekseyev.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XXI,
No 4, 1953, p 763.

NSF 131

Scientific - Physics

CTS/DEX

8348

On the Dynamics of Evaporation of Polycomponent
Solutions in a Nonvolatile Solvent, by L. I.
Rubinshtein, 3 pp.

Full translation.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 767-769.

NSF 132

Scientific - Physics

CTS/DEX

8345

Sci Museum Lit 59/8892

Electric Conductivity of Metals at High Current Density,
by Ye. S. Borovik, *Jnp.*

Full translation.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 771-774.

REF 140

Scientific - Physics

CTS/DEX

8353

Sci Museum Lib 54/0883

W
X-Ray Absorption Spectra of Ni, Cu, and Zn Ions in
Aqueous and Nonaqueous Solutions, by E. Ye.
Vainshtein, V. S. Kavetsky, *top*.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 775-778.

NSF 141

Scientific - Physics

CTS/DEX

8354

Sci Museum Lib 54/0791

Characteristic Functions of Real Resonators, by
V. M. Vakhnin, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 779-782

NSF Tr 166

Scientific - Electronics
CTS/DEX

8909

Sci Museum Lib 54/0897

Effect of Temperature on Light Absorption in Thin
and Extra-Thin Layers of Silver, by A. G. Guzenyuk. 57

RUSSIAN, thrice-mo per, Dok Ak Nauk BSSR, Vol XCI,
No 4, 1953, p 783-786.

NSF Tr 171

USSR
Scientific - Physics

Jan 54 CTS

8928

Sci Museum Lt 54/0887

The Modulation Method of Measuring Dispersion of
Ultrasonic Radiation, by V. A. Zverev, 4 pp.

Full translation.

RUSSIAN, thrice-mo per, Dok Akad Nauk SSSR, Vol XXI,
No 4, 1953, p 791: 794

NSF 133

Scientific - Physics

CTB/DEX

Sci Museum Lit 54/0900 8346

On the Theory of Magnetic Susceptibility of Thin
Layers of Metals at Low Temperatures, by I. M.
Lifshits, A. M. Rosevich, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XXI,
No 4, 1953, p 795-798.

NSF 156

Scientific - Minerals/Metals
ETS/DEX

8537

Electrolytic Heating as a Means of Improvement of
Drawing Processes, by B. I. Gubkin, V. S. Mura, 4 pp

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk BSSR, Vol XXI,
No 4, 1953, p 803-806.

NSF 142

Scientific - Physics

SEE CTS/DEK

In museum Lib 54/0780 8357

Passive Radiatin. Systems in Wave-Guides, by
M. L. Levin.

RUSSIAN, thrice-mo per. Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 807.

NSF Tr 167

USSR
Scientific - Physics

Jan 54 CTS

8932

Study of Phase Transformations by Internal
Friction Method, by K. M. Rozin, B. N. Finkelshtein,

^{3 pp}
Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, p 811-812.

NSF 143

Scientific - Physics

CTB/DEK

Hydrostatic 3303-8358 2250
Sci Museum Lib 54/0789

Glycol Esters of Pyrophosphorous Acid, by
B. A. Arbutov, 8 pp.

RUSSIAN, thrice mo per, Dok Ak Nauk SSSR, Vol 91
No 4, 1953, pp817-820.

Sci Tr Ctr RT-3838

Sci - Chemistry
Aug 56 CTS/aex

37,530

How Solid Phase H_2O_2 Synthetic Reaction,
by V. A. Krou.

RUSSIAN, per, Dokl Akad. Nauk SSSR, Vol. 101,
1953, pp 825-827.

Consultants Customs Ex
-204-195B
\$13.75

Set - Cdn

Mar 59

Handwritten signature or initials

The Thermal Chlorination of N-heptane, by
R. S. Galanina, 7pp.
RUSSIAN, per, Doklady Akademiya Nauk, Vol
91, No 4, 1953, pp 829-832.
CFSTI TT-64-20177.

322,322

Sci - Chemistry
Mar 67

The Reaction of Neutral and Acid Esters of Phosphorous Acid with Esters of Halo-substituted Aliphatic Acids, by Gil'm Kamay, V. A. Kukhtin, 7pp.

RUSSIAN, thrice-mo ^{ly} ~~pr~~, Dok Ak Nauk SSSR, Vol XOL, No 4, 1953, pp 837-839.

Sci Tr Ctr RT-3847

Sci - Chemistry
Aug 56 CTS/dex

37,536

Precipitation of Ni₃Ta From Alloys of ~~NIKI~~ Nickel
Tantalum Binary System, by I. I. Kornilov, E. N.
Pylayeva.

RUSSIAN, per, Dok Ak Nauk, Vol XCI, 1953, pp 841-843.

9212193

9 AEC-UCRL-TR-969

Sci - Mat & Met

Aug 63

Investigation of Oxidation of 1-C¹⁴-Butane and
E Theory of Destructive Oxidation, by G. I.
Feklisov, M. B. Neiman.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCI, No 4,
1953, pp 877-880.

NIL M. 4805

Sci - Chem

207, 794

Jul 62

Some Physical Properties of Pb - Sb Alloys, by
~~XXXXXXXXXXXXXXXXXXXX~~ V. A. Yurkov, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCI, 1953, pp 891-893.

AEC Tr 2231

Scientific - Physics
CTS 73/Oct 1955

27,820

Spectral Properties of Reduced Chlorophylls a and b,
by V. B. Evtigneyev, V. A. Gavrilova, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 4, 1953, pp 899-902.

36, 101
Sci Tr Center RT-3714

Scientific - Chemistry

AEC - 2156

Jun 56/dex

(FDD 20154)

Phosphorus Metabolism in the Brain During the
Excitation of the Higher Nervous Activity, by A. V.
Palladi, A. A. Rybins, 7 pp.

RUSSIAN, ~~thrice-no~~ per, Dok Ak Nauk SSSR, Nov Ser,
Vol XCI, No 4, Moscow/Leningrad, 1953, pp 903-905.

CIA/FDD/U-5601

USSR

Sci - Med

Mar 54 CTS

11,668

Problem of Phase Composition of Some Lime-Chromium Slags
With Special Consideration of the Characteristic Water-
Solubility of Their Lime Component, by D. S. Belyankin,
V. V. Lapin. UNCLASSIFIED.

thrice-mo
RUSSIAN, /per, Dok Ak Nauk SSSR, Vol XCI, No 4, 1953,
pp 911-914.

Brutcher Tr No 3305

19,303

Scientific - Min/Metals

(FDD 21901)

The Application of Radioisotopes for Accelerated Determination of Vitamins, by M. N. Meysel', N. A. Pomoshchnikova, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Nov Ser, VOL XCI, No 4, Moscow, 1 Aug 1953, pp 953-955.

CIA/FDD/U-6491

USSR

Sci - Chemistry, microbiology, radioisotopes

18,987

Table of Contents of Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953. *5 pp.*

RUSSIAN.

Ordnance Technical Intelligence, Sv,
Aberdeen Proving Ground, Md.
Report OTIO 106

CIA 2509768

Absorption Spectra of Molecular Complexes of Aromatic Amines With Quinoline Layers. Investigation of the Absorption Spectrum of the Molecular Complex 4-(n-Dimethylaminostyryl) Quinoline + 1-Ethyl-2-Styrylquinoline Iodide, by V. A. Izmail'skiy, P. A. Solodkov, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol **XCI**, No 5, 1953.

CIA/FDD XX-1115
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

185, 951

Mar 62

USSR INTERNAL USE ONLY

Khefn, A. L.
UNSTEADY FLOW OF LIQUID AND GAS TO A PERFORATED WALL OF A DRILL HOLE AT CONSTANT GAS OIL RATIO. Sp. 3 refs. MTWL: 739.
Order from OTS or ETC \$1.55 61-17284

Trans. of Akademika Nauk SSSR. Doklady, 1953, v. 91, no. 5, p. 1039-1042.

DESCRIPTORS: *Fluid flow *Porous materials, Mining engineering, Gas flow.

61-17284

- I. Khefn, A. L.
- II. MTWL-739
- III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Effect of Slot-Streams on Intensity of
EB Cavitation Corrosion, by K. K. Shal'nev.

RUSSIAN, thrice-mo per, Dok Ak Hank,
Vol XCI, No 5, 1953, pp 1043-1045. *CIA D177066*

Sci Mus Lib. 55/2461
Def Sci Info Sv
DRB T.151.R

Geophysics.

Scientific - ~~Office~~ Feb 55 CTS/DEX

21,203

Investigation of the Internal Cinematics of
the Unsteady Filtration of a Flow, and Derivation
of an Equation for Unsteady Filtration, by
V.M. Shestakov, 10 pp.

RUSSIAN, thrice-a-month, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, pp 1047-1050.

Sci Tr Center
RE-4074

39,856

Sci - Physics
Oct 1955 CTS/dec

On the Magneto-Hydrodynamic Motion in Solar
Protuberances, by A. B. Severnyi. UNCLASSIFIED

RUSSIAN, thrice-no REF. Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, pp 1051-1054.

RT-1121-1
Navy Tr 975/NRL 467

11,920

Scientific - Physics

also Sci Trans Center RT-881

Kinetics of Luminescence of Silver Halide Salts, by
V. A. Arkhangel'skaya, P. P. Feofilov. 4 pp.

RUSSIAN, thrice-to per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1055-1058

NSF Tr 173
SLA RT-528

USSR

Scientific - Electricity

Sci Mus Lib 54/0990

Jan 54 CTS

8930

OTS TT-62-28158 (RUSSIAN to FRENCH)

On the Theory of the Fine Structure of the X-Ray
Absorption Spectra of Ions in Solutions, by
E. Ye. Vainshtein. *4 pp.*

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1057-1062. *CIA 9002157,*
CIA 9007800,
NSF Tr 168

RT-857

8933

USSR
Scientific - Physics

sci Mus lib 54/1005 Jan 54 CTS

Perception of Brief Variations in Brightness, by
Luizov

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1063.

RT-867
NSF Tr 199

Scientific - ~~Chemistry~~ ^{Astronomy}
CTS/DEX

9569

Redistribution on the Intensities of Spectral Lines
of Elements in a Discharge in Argon, by K. N.
Mochalov, Ye. L. Raff. *4 pp*

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1067-1070

NEF Tr 174

USSR
Scientific - Physics

Jan 54 CTS

8923

Sci Mus Lib 54/1000

Influence of the Adsorption of Gases and Vapors on
the Characteristic Photoelectric Effect of ZnO
and on the Photoelectric Effect of ZnO Sensitized
by Chlorophyll and Similar Pigments, by Ye. K.
Putseiko, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1071-1074.

NSF 149

Scientific - Chemistry
CTS/DEX

8532

Sci Museum Lib 54/0890

Threshold of the Secondary Electron Emission of Nickel
and Molybdenum, by A. R. Shulman, Ye. I. Myakinin, *4 pp.*

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XXI,
No 5, 1953, p 1075-1078

NSF Tr 177

Scientific - Minerals/Metals
CTS/DEX

9392

Sci Mus Lib 54/1002

(FDD 21176)

How the Energy of the Wind Is Transferred to the Waves, by V. V. Shuleykin, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Nov Ser, Vol XCI, No 5, Moscow/Leningrad, 1953, pp 1097-1082.

CIA/FDD/U-6052

USSR

Sci - Geophysics, wind-wave energy

Jul 54 CTS

17,250

Melting Temperatures of Tin and Lead at Pressures
Reaching 34,000 kg/cm², by V. P. Butuzov, M. G.
Gonikberg, 2 pp.

Full translation.

RUSSIAN, thrice-mo per; Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1083-1084.

RSF 144

Sci Museum Lib 54/0712

Scientific - Physics

CTS/DEX

8359

Effect of the Ratio of Rubbing Surface to Hardness on
Slipping Conditions of Machine Parts in Contact,
by D. N. Garbunov, I. V. Kragelsky, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1085-1088.

NSF Tr 170

9393

Scientific - Engineering
CTS/DEX

sci Mus Lib 54/0993

Study of a Deformed State by Radioactive Isotopes,
by S. I. Gubkin, S. A. Dvornar, 2pp.

Full translation,

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, p 1089-1090.

NSF 145

Scientific - Physics

CTS/DEX

8360

See document Lit 54/0779

Two-Mirror Concentrator of Ultrasonic Waves, by
L. D. Rozenberg.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
XCI, No 5, 1953, p 1091.

NSF 146

Scientific - Physics

CTB/DEX

8363

Investigation of the Mechanism of Reaction of
X-ray Accelerators of the Vulcanization of Caoutchouc,
by G. A. Blokh,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCI, No 15,
1953, pp 1107-1110.

Sci Mus Lib 57/0113

Co-op Tr Sch No 102
L1.12s.(4s. Od.)

Scientific - Chemistry Apr 55 CFS

22,577

Synthesis of Physiologically Active S^{35} - Labeled
Compounds, by Yu. V. Markova, A. M. Pozharskaya,
V. I. Maimina, T. F. Zhukova, N. A. Kosolapova,
M. N. Shehukina, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol. 161, 1953,
pp 1129-1132.

AEC Tr 2537

Sci - Chemistry
Aug 1956 CTS/dex

37,486

The Kinetic Method for Studying the Mechanism of
Chemical Reactions by Means of Tagged Atoms, by
M. B. Neiman, G. I. Feklisov, 7 pp.

RUSSIAN, per, Dokl Akad Nauk SSSR, Vol 2101, 1953,
pp 1137-1140. 9218764

AEC-SC-T-521

Sci-NS
Jan 64

248, 346

The Nature of the Alkylation of Benzene by Propylene
With Various Catalysts in the Presence of Diisopropyl-
benzene, by Ya. M. Paushkin, A. V. Topchiev, M. V.
Kurashev, 5 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 5, 1953, pp1141-1144.

Sci Mus Lib No 54/0294

Scientific - Chemistry
CTS/DEX

11,390

Mechanism of Filtering Off Disperse Phase
of Emulsions, by S. S. Voyutsky, K. A.
Kalyanova, R. M. Panich, N. M. Fodiman.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCI,
1953, pp 1155-1158.

Consultants Customs Tr
~~68P-197B~~
\$21.00

Sci - Chem

Mar 59

83,455

The State of Alumina in Molten Slag, by O. A.
Esin, B. M. Lepinskikh.

RUSSIAN, thrice-~~so~~ per, Dok Ak Nauk SSSR,
Vol XCI, No 5, 1953, pp 1187-1190.

Nat'l Res Council

TT.579

37,899

Sci - Minerals/Metals

Aug 1956

Synthesis of Physiologically Active Compounds
Labelled With Sulphur by I.U.V. Markova.

RUSSIAN, per, Doklady Akademiyi Nauk, S.S.S.R.,
Vol XCI, No 5, 1953, pp 1189-1192

CSIRO *12*

Oct. 62

Table of Contents of Dok Ak Nauk SSSR, Vol XCI,
No 6, 21 Aug 1953. *4 pp*

RUSSIAN.

Ordnance Technical Intelligence Sv,
Aberdeen Proving Ground, Md.
Report OTIO 101

CIA 2509763

Flow, With Convective Heat Exchange, of a Viscous
Gas in a Cylindrical Pipe, by S. V. Romanenko,
4 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI,
No 6, 1953, pp 1289-1292.

Sci Trans Center RT-921

Scientific - Engineering
CIS/DEX

14,056

Charnyf, I. A.
BREAKTHROUGH OF BOTTOM WATER IN AN OIL
WELL. 6p. MTWL: 748.
Order from OTS or ETC \$1.55 61-17268

Trans. of Akademiya Nauk SSSR. Doklady, 1953,
v. 91, no. 6, p. 1293-1296.

DESCRIPTORS: *Mineral oil, Production, Water,
Hydrology, Theory.

61-17268

- I. Charnyf, I. A.
- II. MTWL-748
- III. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Wide-Band Radio Interferometer, by V. V. Vitkevich,
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCI, 1953, p 1301. - ~~1303~~

WV

Morris D. Friedman
\$2.50

V-109

Scientific - Physics

CRS 67/Apr 55

22,953

OTS 63-10191

[FTD-TT-65-821
9698648]

On the Stretching of Polymer Chains, by M. V.
Volkenshtein, O. B. Ptitsyn.

Full translation.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCI,
No 6, 1953, p 1313.

NSP 134

Scientific - Physics

CTS/DEX

8349

On the Neutrino Charge of Elementary Particles, by
Ya. B. Zeldovich, 5pp.

RUSSIAN, thrice-no per, Dok Ak Nauk, Vol XCI, No 6,
1953, p 1317-1320.

Sci Tr Ser RT 506
NSF Tr 124

Scientific - Physics

CIS/DEX

*Sci Mus Lit 54/7317
8219*

On the Theory of Ion Currents to Probes at Low Pressures, by Yu. M. Kagan, V. I. Perel. *4 pp.*

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCI, No 6, 1953, p 1321-1324.

NSF Tr 179

Scientific - Physics
CTS/DEX

9395

Sci Mus Lib 54/0996

(NY-1650)

The Precipitation of Particles From an Aerosol
Current on an Obstruction, by L. M. Levin, 8 pp.
UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCI, No 6, Moscow, 21 Aug 1953, pp 1329-1332

US JPRS/NY-L-221

Academy of Sciences - 1329

Sci - Physics, aerosols

66,093

Nesmeyanov, A.N., Reutov, O.A., and Pritsyna, O.A.
SUR LES NOUVELLES POSSIBILITES DE SYNTHÈSE
DES COMPOSÉS ORGANO - ANTIMONIQUES AU MO-
YEN DES SELS DE DIAZONIUM DE TRICHLORURE
D'ANTIMOINE (O Novykh Vozmozhnostyakh Sinteza
Sur'myano-Organicheskikh Soedinenii Cherez Diazo-
niyevye Soli Trekhkhloristoi Sur'my) (On the Next Pos-
sibilities of Synthesizing Organo-Antimonic Compounds
by Means of Diazonium Salts of Antimony Trichloride).
13p. (foreign text included) 6refs. CNRS-VIII bis 662.
Order from OTS, ETC or CNRS \$0.80 TT-62-28255

Trans. in French of Akademiya Nauk SSSR, Doklady,
1953, v. 91, no. 6, p. 1341-1344.
Another trans. is available in English from SLA as
RT-2258, 11p.

DESCRIPTORS: *Antimony compounds, *Organic com-
pounds, Azo radicals, Salts, Chlorides.

(Chemistry--Organic, TT, v. 11, no. 7)

TT-62-28255

- I. Nesmeyanov, A.N.
- II. Reutov, O.A.
- III. Pritsyna, O.A.
- IV. CNRS-VIII bis 662
- V. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

Photochemical Oxidation of Propane, Sensitized
by Bromine, by G. B. Sergeyev, V. Ya. Shtern,
8 pp,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol XCI, No 6, 1953, pp 1357-1360.

Sci Tr Center
RT-1985

Scientific - Chemistry

Mar 55 CTS

22,176

Table of Contents of Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953. 511

RUSSIAN.

Ordnance Technical Intelligence Sv,
Aberdeen Proving Ground, Md.
Report OTIO 102

CIA 2509761

Charny¹, I. A.
CALCULATION OF THE RECOVERY OF A PARTIALLY
PENETRATING WELL AT BREAKTHROUGH OF BOTTOM
WATER OR GAS: 8p. 2 refs. MTWL: 728.
Order from OTS or ETC \$1.55 61-17311

Trans. of Akademiya Nauk SSSR. Doklady 1953,
v. 92, no. 1, p. 17-20.

DESCRIPTORS: *Mineral oil, Production, Water,
Gases, Penetration.

51-17311

- I. Charny¹, I. A.
- II. MTWL-728
- III. Stichting Moettijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

Possibility of Observing Monochromatic Radio
Emission From Interstellar Molecules, by I. S.
Shklovskiy. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, pp 25-28.

Air Res and
Dev Command
T-240RU

Scientific - Astronomy

CFB 67/Apr 55

22,937

The Magnitude of the Optical Anisotropy of the
Benzene and Carbon Disulfide Molecules as Determined
by Light Scattering in Solutions, by M. F. Vuks,
V. I. Yelfimov. *4 pp*

RUSSIAN, ~~thrice-mo per.~~ Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, p 29-32.

NSF Tr 175

USSR
Scientific - Physics

Jan 54 CTS

8925

Sci Mus Lib 54/1006

Interference Method of Measuring Correlation Coefficients
of Stationary Noises, by S. G. Gershman, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Bank SSSR, Vol XCII,
No 1, 1953, p 33-35.

NSP 157

Scientific - Physics
CTS/DEX

8538

Sci Museum Lit 54/0886

On the Agglomeration of Amorphous Bodies, by Ya.
Ye. Geguzin . 4 pp

RUSSIAN, thrice-mo per, Dok Ak Nauk BSSR, Vol XCII,
No 1, 1953, p 45-48

REF Tr 180

Scientific - Physics
CTS/DEX

9394

Sci Mus Lib 54/0994

/Effect of Water and Alcohol on the Grinding of
Metals, by V. D. Kuznetsov, V. D. Taranenko, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, p 49-52.

NSF Tr 181

Scientific - Minerals/Metals
CTS/DEX

9396

Sci Mus Lib 54/0998

Flow of a Visco-Plastic Dispersion System in a
Conical Diffuser, by Tyabin, Pudovkin

RUSSIAN, thrice-mo per, Dok Ak Nauk Vol XCII, No 1,
p 53.

NSP 209

Scientific - Exptl Physics

CPS/DEX

9676

The Effect of the Size and Structure of Radicals
on the Rate of Isomerization of Esters of
Phosphorous Acid, by A. E. Arbuzov, L. V.
Nesterov, 9 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, pp 57-60.

NIE

Scientific - Chemistry

Dec 54 CTS

20,360

~~Oil Shales in Baltic and~~ Investigation of the
Condensed Aromatic Carbohydrates of the ~~East~~
Oil Shale Cracking Kerosene, by ~~S. I. Mironov~~,
10 pp.

author: Z. T. ZOHOUZ
RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953.

pp 65-68

Navy Tr 1220/ONI A-822a

Scientific - Fuels
CTB 73/Oct 1955

28,095

The Resolution of Asymmetric Four-Covalent
Phosphonium Compounds Into Optically Active
Components, by Kazim Gil'm, L. Khismatullina.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XIII, No 1,
1953, pp 69-71.

ELL RTS 2227

Sci -
Jul 63

238,166

The Nature of the Activation of Palladium by
Oxy-Hydrogen Gas, by O. V. Krylov, S. Z. Roginskiy,
I. I. Tretyakov, 2 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk, SSSR,
Vol XCII, 1953, pp 75-76.

CIA/FDD/Z-124

Scientific - Chemistry

19,049

Mechanism of the Rearrangement of Aromatic
Amino ~~nit~~ and Hydroxysulphonic Acid Salts,
by E. A. Shilov, M. N. Bogdanov, A. E. Shilov,
5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No
1953, pp 93-96. *No1*
↑

23,524 Sci Nu Lib Tr No 55/0385

Scientific - Chemistry

May 55 CFS

Catalytic Activity of Metal and Platinum-Gold
Alloys in the Oxidation of SO_2 , by G. K.
Borekov, M. G. Slin'ko, E. I. Volkova, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, pp 109-110.

Sci Mus Lib No 54/0291

Scientific - Minerals/Metals
CTS/DEX

11,347

The Sorption of Water Vapor by Active
Carbons, by M. M. Dubinin, E. D. Zaverine,
6 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, Encl to MA, London,
Ser 486-S-55, pp 111-114.

TPA3/TIB T 4329

Sci Mus Lib 55/1718

Scientific - Chemistry
CTS 71/Aug 1955

26,148

Surface Tension and Heat of Vaporization of
Metals, by S. N. Zadumkin.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol XCII, No 1, 1953, pp 115-116.

Brutcher Tr
No 3330

DSIR LLU M-1769
(LOAN)

Scientific - Minerals/Metals CTS/DEX
\$ 2.75

JPL AI/Trans No 16
20,092

**Steric Factors of Some Simple Reversible Reactions
Combining Atomic Hydrogen With Unsaturated Molecules,**
by A. D. Stepukhovich.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 1, 1953, pp 127-130.

Sci Tr Center
*#TT 438

Navy Tr 3468/APL 653

17,450

Scientific - Chemistry

Timofeev, B.V. and Karimov, A.K.
VEGETABLE RESIDUES IN MINERAL OIL. 4 p.
MTWL: 667.
Order from OTS or ETC \$1.40 61-17199

Trans. of Akademiya Nauk SSSR. Doklady, 1953,
v. 92, no. 1, p. 151-152.

DESCRIPTORS: *Mineral Oils, *Spores, Algae.

61-17199

- I. Timofeev, B.V.
- II. Karimov, A.K.
- III. MTWL-667
- IV. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur

Office of Technical Services

New Data on the Slag Pyroxenes of the Series
 FeSiO_3 - MgSiO_3 , by N. N. Kurteeva, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak NaukSSR, Vol XCII,
No 1, 1953, pp 153-155.

SLA R-1210

May 58

63,922

Additional Light Absorption by Plant Leaves
in the Presence of Gaseous Carbon Dioxide,
by L. N. Bell, 4 pp.

RUSSIAN, thrice-mo per, Dok ak Nauk SSSR,
Vol XCII, 1953, pp 165-168.

May 58

SLA R-1295

OTS - 61-17194

64,601

Table of Contents, 6 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No 2,
11 Sep 1953.

Ordnance Technical
Intelligence Service Aberdeen
Proving Ground, Maryland
Report No OTIO-116

1 per card only

CIA 2514446

The Magnetic Mass-Spectrometer in Combination With a
Wilson Cloud Chamber, by A. Alikhanyan, V.
Kirillov-Ugryumov, N. Shostakovich, V. Fedorov, *4 pp.*

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 255-257.

NSF Tr 182

Scientific - Physics
CTS/DEX

RT 423
9397

Sci Museum Lib 54/0733

Magnetization Time of a Weak Solution of He³ in He⁴,
by A. Akhiezer, V. Aleksin *4 pp.*

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 259-262.

NSF Tr 183

RT922

Scientific - Physics
CTS/DEX

sci Res Lib 54/0989 9391

Determination of the μ Number of Slow π^- and π^+ -Mesons
in Cosmic Rays at Various Altitudes, by Kh. P.
Babayan, I. I. Zinger, N. A. Marutyan 2pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 263-264.

BSF Tr 184

Scientific - Physics
CTS/DEX

9398

Sci Mus Lib 54/0991

Excitons in Cuprous Oxide Crystals at the Temperature
of Liquid Helium (4.2°K), by Ye. F. Gross, B. P.
Zakharchenya, N. M. Reinov. 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 265-267

NSF Tr 185

Scientific - Physics
CTS/DEX

~~93~~ 9406

D 51 Tr 185

Sci Mus Lib 54/0995

Use of a Narrow-Band Amplifier in Oscillographic
Investigation of the Electron Velocity Distribution
Functions in an Electrical Discharge, by Malyshev,
Pedorov. 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 269-271.

NSF Tr 186

RT-868

9262

Scientific - Electronics
CTS/DEX

-Sci Mus Lib 54/0999

**X-Ray Absorption Spectra of Zinc in Molecules of
ZnCl₂, ZnBr₂, and ZnS, by Hartutt**

**RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 273.**

NSF Tr 187

KT-869

Scientific - Physics
CTSK/DEX

9 264

Two-Nucleon Nuclear Transitions, by Bliv, Peker

3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 277-279.

ESP Tr 188

RT-883

Scientific - Physics
CTS/DEX

9263

Sci Mus Lib 54/1003

On the Effect of the Hydrogen Bond on Raman Spectrum,
by Stekhanov

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 281.

NSF [#]TR189

RT-889

Scientific - Physics
CTS/DEX

9265-

Clarification of Phase Diagram of Alumina-Silica
System, by P. P. Budnikov et al.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCIII,
~~ENGLISH~~, No 2, 1953, pp 281-283.

Brutcher Tr 3219

Scientific - Minerals/Metals
CTS/DEX Price \$2.80

9290

Dispersion of Sound Velocity in Certain Organic
Liquids, by Fabelinsky, Shustin . 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 285- 288.

NSF Tr 194

RT-842

Scientific - Physics
CTS/DEX

4269

Sci Mus Lib 54/1071

Determination of Vapor Density Behind the Anode and
Behind the Cathode of a Discharge Tube, by Shukhtin

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 289.

ESF Tr 193

RT-884

9267

Scientific - Electronics
CTS/DEX

On the Correspondence Between Relaxation and Rate
Characteristics in Plastic Extension, by Vasilyev

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 301.

NSF Tr 195

PT-895

Scientific - Physics
CPS/DEX

9270

Wear Resistance of ^{of}Carbon Steel Subjected to
Rubbing in Certain Liquid Media After Diffusion
Chromizing, by Khrushchov, Babichev, Dubinin. *4 pp*

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 303-306.

NSF Tr 196

RT-858

Scientific - Minerals/Metals
CPS/DEX

9272

Sci Mus Lib 54/1072

Structure of Polyvinyl Alcohol, by E. I. Barg,
M. N. Mel'teva, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCII, No 2,
1953, pp 307-310.

CIA/X-1808

NLL M. 2885

USSR

Sci - Physics

26, 334

Zhebrak, A. R.

Effect of Graft Upon Seed Progeny and Segregation of
F₂ Hybrids.

RUSSIAN, per, Док, Ak Nauk, Vol. CVII, 1956, pp. 325-
327.

*PL 480
OTS 60-51030

Nov 61